

# Product data sheet

Specifications

SQUARE D

Green Premium™



Circuit breaker, PowerPacT B, 40A, 3 pole, 600Y/347VAC, 18kA, I-Line, thermal magnetic, 80%, ABC

BGA36040

## Main

|                           |                 |
|---------------------------|-----------------|
| Range                     | PowerPact       |
| Product name              | PowerPact B     |
| Device short name         | BG 040          |
| Product or component type | Circuit breaker |
| Device application        | Distribution    |

## Complementary

|  |   |
|--|---|
| [In] rated current                     | 40 A  |
| Number of Poles                        | 3P  |
| Control type                           | Toggle  |
| Breaking capacity code                 | G   |
| Breaking capacity                      | 65 kA 208Y/120 V AC 50/60 Hz UL 489<br>65 kA 240 V AC 50/60 Hz UL 489<br>35 kA 480/277 V AC 50/60 Hz UL 489<br>35 kA 480 V AC 50/60 Hz UL 489<br>20 kA 250 V DC UL 489<br>18 kA 600Y/347 V AC 50/60 Hz UL 489 |
| [Ue] rated operational voltage         | 525 V AC 50/60 Hz UL 489  |
| Network frequency                      | 50/60 Hz  |
| [Ics] rated service breaking capacity  | 65 kA 220...240 V AC 50/60 Hz IEC 60947-2<br>18 kA 500...525 V AC 50/60 Hz IEC 60947-2<br>35 kA 380...415 V AC 50/60 Hz IEC 60947-2<br>35 kA 440 V AC 50/60 Hz IEC 60947-2                                    |
| [Uimp] rated impulse withstand voltage | 8 kV IEC 60947-2  |
| Trip unit technology                   | Thermal-magnetic  |
| Continuous current rating              | 80 %  |
| [Ui] rated insulation voltage          | 800 V IEC 60947-2   |
| Suitability for isolation              | Yes IEC 60947-2   |
| Utilisation category                   | Category A  |
| Mechanical durability                  | 20000 cycles IEC 947-1 Annex K ed 5.2   |
| Electrical durability                  | 10000 cycles IEC 947-1 Annex K ed 5.2 440 V In  |
| Connection pitch                       | 1.06 in (27 mm)   |
| AWG gauge                              | AWG 14...AWG 2/0 aluminum/copper  |

|                                    |  |
|------------------------------------|--|
| <b>Local signalling</b>            | Presence of auxiliary contacts flag green)   |
| <b>Mounting mode</b>               | I-Line   |
| <b>Electrical connection</b>       | I-Line connection line<br>Lugs load  |
| <b>Mounting height</b>             | 4.49 in (114 mm)   |
| <b>Tightening torque</b>           | 31.86...38.94 lbf.in (3.6...4.4 N.m) 0.00...0.01 in <sup>2</sup> (2.5...6 mm <sup>2</sup> ) AWG 14...AWG 10)<br>44.25...54.87 lbf.in (5...6.2 N.m) 0.02...0.11 in <sup>2</sup> (10...70 mm <sup>2</sup> ) AWG 8...AWG 2/0) |
| <b>Number of slots</b>             | 1 auxiliary switch OF plug-in)<br>1 voltage release MN or MX plug-in)<br>1 alarm switch SD plug-in)  |
| <b>Power wire stripping length</b> | 0.79 in (20 mm)  |
| <b>Color</b>                       | Grey RAL 7016)   |
| <b>9 mm pitches</b>                | 9  |
| <b>Height</b>                      | 5.39 in (137 mm)   |
| <b>Width</b>                       | 3.19 in (81 mm)  |
| <b>Depth</b>                       | 3.50 in (89 mm)  |
| <b>Net weight</b>                  | 2.90 lb(US) (1.315 kg)   |
| <b>Quantity per set</b>            | Set of 1   |
| <b>Phase connection</b>            | ABC  |
| <b>Circuit breaker application</b> | HACR rated   |

## Environment

|  |   |
|--|---|
| <b>Quality labels</b>                        | CE  |
| <b>Standards</b>                             | EN/IEC 60947-2<br>EN/IEC 60947-5-1<br>CSA C22.2 No 5<br>GB 14048.2<br>NEMA AB1<br>UL 489<br>NMJ J-266 |
| <b>Product certifications</b>                | UL<br>IEC<br>CCC<br>EAC<br>CSA<br>NOM   |
| <b>IP degree of protection</b>               | Front cover IP40 IEC 60529  |
| <b>IK degree of protection</b>               | IK07 IEC 62262  |
| <b>Pollution degree</b>                      | 3 IEC 60947-1   |
| <b>Ambient air temperature for operation</b> | -13...158 °F (-25...70 °C)  |
| <b>Ambient air temperature for storage</b>   | -58...185 °F (-50...85 °C)  |
| <b>Operating altitude</b>                    | < 2000 m without derating<br>5000 m with derating   |

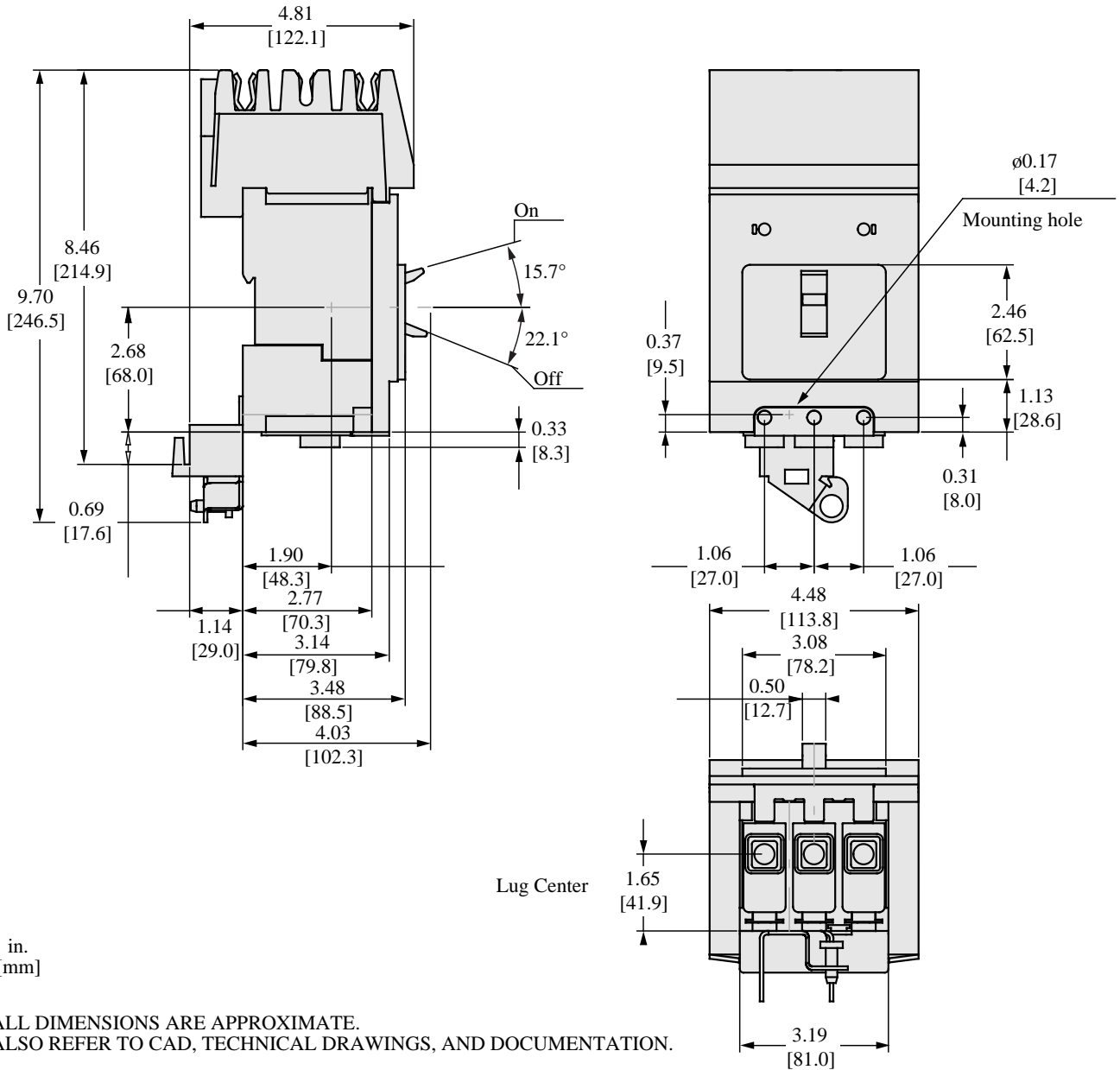
## Packing Units

|                                     |                       |
|-------------------------------------|-----------------------|
| <b>Unit Type of Package 1</b>       | PCE                   |
| <b>Number of Units in Package 1</b> | 1                     |
| <b>Package 1 Height</b>             | 4.80 in (12.2 cm)     |
| <b>Package 1 Width</b>              | 7.99 in (20.3 cm)     |
| <b>Package 1 Length</b>             | 12.60 in (32.0 cm)    |
| <b>Package 1 Weight</b>             | 4.21 lb(US) (1.91 kg) |

## Offer Sustainability

|                                    |   |
|------------------------------------|---|
| <b>Sustainable offer status</b>    | Green Premium product   |
| <b>REACH Regulation</b>            | <a href="#">REACH Declaration</a>   |
| <b>EU RoHS Directive</b>           | Compliant<br><a href="#">EU RoHS Declaration</a>  |
| <b>Mercury free</b>                | Yes   |
| <b>China RoHS Regulation</b>       | <a href="#">China RoHS declaration</a><br>Product out of China RoHS scope. Substance declaration for your information       |
| <b>RoHS exemption information</b>  | Yes   |
| <b>Environmental Disclosure</b>    | <a href="#">Product Environmental Profile</a>   |
| <b>WEEE</b>                        | The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins |
| <b>PVC free</b>                    | Yes   |
| <b>Halogen content performance</b> | Halogen free product  |

**Dimensions**



**Recommended replacement(s)**